

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1.-5. (Canceled) ✓

B 6. (New) A heat-sensitive lithographic printing plate precursor comprising a substrate having an ink-receptive surface having a light-to-heat conversion function or coated with an ink-receptive layer containing a light-to-heat conversion material, having provided thereon a hydrophilic layer which comprises:

(1) a colloid of an oxide or a hydroxide of at least one element selected from the group consisting of beryllium, magnesium, aluminum, silicon, titanium, boron, germanium, tin, zirconium, iron, vanadium, antimony, and transition metals,

(2) a hydrophilic resin, and

(3) a light-to-heat conversion material and

a hydrophilic overcoat layer capable of being removed on a printing machine, in this order.

7. (New) A heat-sensitive lithographic printing plate precursor comprising a substrate having an ink-receptive surface or coated with an ink-receptive layer having provided thereon a hydrophilic layer which comprises:

(1) a colloid of an oxide or a hydroxide of at least one element selected from the group consisting of beryllium, magnesium, aluminum, silicon, titanium, boron, germanium, tin, zirconium, iron, vanadium, antimony, and transition metals;

(2) a hydrophilic resin; and

(3) a light-to-heat conversion material, and

a hydrophilic overcoat layer capable of being removed on a printing machine, in this order.

8. (New) A heat-sensitive lithographic printing plate precursor comprising a substrate subjected to a surface roughing treatment and coated with an ink-receptive layer having provided thereon a hydrophilic layer which comprises:

(1) a colloid of an oxide or a hydroxide of at least one element selected from the group consisting of beryllium, magnesium, aluminum, silicon, titanium, boron, germanium, tin, zirconium, iron, vanadium, antimony, and transition metals;

(2) a hydrophilic resin; and

(3) a light-to-heat conversion material.

9. (New) A heat-sensitive lithographic printing plate precursor comprising a substrate having an ink-receptive surface or coated with an ink-receptive layer having provided thereon a hydrophilic layer which comprises:

(1) as a main component, a colloid of an oxide or a hydroxide of at least one element selected from the group consisting of beryllium, magnesium, aluminum, silicon,

titanium, boron, germanium, tin, zirconium, iron, vanadium, antimony, and transition metals;

- (2) a hydrophilic resin in an amount of 5 to 20 wt%; and
- (3) a light-to-heat conversion material in an amount of 2 to 20 wt%.

B 10. (New) The heat-sensitive lithographic printing plate precursor as claimed in claim 7 or 9, wherein the substrate is a substrate having an ink-receptive surface having a light-to-heat conversion function or coated with an ink-receptive layer containing a light-to-heat conversion material.

11. (New) The heat-sensitive lithographic printing plate precursor as claimed in claim 8, wherein the ink-receptive layer contains a light-to-heat conversion material.

12. (New) The heat-sensitive lithographic printing plate precursor as claimed in any one of claims 6, 7 and 8, wherein the hydrophilic layer comprises:

(1) as a main component, the colloid of an oxide or a hydroxide of at least one element selected from the group consisting of beryllium, magnesium, aluminum, silicon, titanium, boron, germanium, tin, zirconium, iron, vanadium, antimony, and transition metals;

- (2) the hydrophilic resin in an amount of 5 to 20 wt%; and
- (3) the light-to-heat conversion material in an amount of 2 to 20 wt%.

13. (New) The heat-sensitive lithographic printing plate precursor as claimed in any one of claims 6, 7 and 9, wherein the substrate is subjected to a surface roughing treatment.

14. (New) The heat-sensitive lithographic printing plate precursor as claimed in any one of claims 6, 8 and 9, which further comprises, on the hydrophilic layer, a hydrophilic overcoat layer capable of being removed on a printing machine.

15. (New) The heat-sensitive lithographic printing plate precursor as claimed in claim 7, wherein the hydrophilic overcoat layer contains a light-to-heat conversion material.

16. (New) The heat-sensitive lithographic printing plate precursor as claimed in claim 14, wherein the hydrophilic overcoat layer contains a light-to-heat conversion material.
